Index of Claims

| Ap | _ | ioo | 410 | -10 | ~   | 4   | Ma |
|----|---|-----|-----|-----|-----|-----|----|
| 74 | μ | ıva | uo  |     | UII | uoi | NO |

10/539,631

Examiner

MISCOPEIN ET AL.

Reexamination

Applicant(s)/Patent under

Art Unit

Christian A. Hannon

2618

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α 0

Objected

|       |  | , |          |          |  |          |              |          |  |                   |
|-------|--|---|----------|----------|--|----------|--------------|----------|--|-------------------|
| Cla   | <u> </u>                               |   |          | [        | Date   | •        | _            |          |  |                   |
| Final | Original                               | 7/5/07                                  |          |          |  |          |              |          |  |                   |
|       | 4                                      | $\vdash$                                |          |          |  |          |              |          |  | П                 |
|       | -2                                     | Г                                       |          |          |  |          |              |          |  | П                 |
|       | 15                                     |   |          |          |  |          |              |          |  |                   |
|       | 4                                      |   |          |          |  |          |              |          |  |                   |
|       | 15/                                    |   |          |          |  |          |              |          |  |                   |
|       | 16/                                    |   |          |          |  |          | L_           |          |  |                   |
|       | 1/                                     |   |          |          |  |          | <u> </u>     |          |  | Ш                 |
|       | /8<br>/8                               |   |          |          | _  |          | L            |          | _  | Н                 |
|       | 10,                                    | -                                       |          | _        | _  | _        |              | _        | -  | Н                 |
|       | 21                                     | -                                       | -        | _        | -  | _        | $\vdash$     |          | <del> </del>                                 | $\vdash$          |
|       | 12                                     | $\vdash$                                |          | -        | -  | -        | $\vdash$     |          | $\vdash$                                     |                   |
|       | 13                                     | 1                                       |          |          | _  | _        | <u> </u>     |          | <del> </del>                                 | $\vdash$          |
|       | 14                                     | 0                                       |          |          | Т  | <u> </u> |              |          |  | $\vdash$          |
|       | 15                                     | 0                                       |          |          |  |          |              |          |  |                   |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17 | 0                                       |          |          |  |          |              |          |  |                   |
|       | 17                                     |   |          |          |  |          |              |          |  |                   |
|       | 18<br>19                               | 0                                       |          |          |  |          | _            |          |  |                   |
|       | 19                                     | 0                                       |          |          |  |          | <u> </u>     |          | L_   | Ш                 |
|       | 20                                     |   |          | _        | <u></u>  | _        | <u> </u>     |          | <u> </u>                                     |                   |
|       | 21                                     | =                                       | _        | <u> </u> |  | -        | <u> </u>     |          | -  | _                 |
|       | 20<br>21<br>22<br>23                   | =                                       | -        | <u> </u> |  | <u> </u> | <del> </del> |          | <u></u>                                      | -                 |
|       | 24                                     | =                                       |          |          | ÷  | -        | -            | -        | -  | $\vdash$          |
|       | 25                                     | =                                       |          | $\vdash$ |  | ┢        | ┢┈           |          | ┢  | -                 |
|       | 24<br>25<br>26<br>27<br>28<br>29<br>30 | =                                       |          | -        | -  | -        | $\vdash$     |          | $\vdash$                                     | Н                 |
|       | 27                                     | =                                       |          | _        |  |          |              |          | $\vdash$                                     |                   |
|       | 28                                     | 0                                       |          |          |  |          |              |          |  |                   |
|       | 29                                     | 0                                       |          |          |  |          |              |          |  |                   |
|       | 30                                     | 0                                       |          |          | L  |          | _            |          | <u>.                                    </u> |                   |
|       | 31                                     | Ξ                                       |          |          | L  | <u> </u> |              | _        | L_   | Ш                 |
|       | 32<br>33                               | =                                       |          |          | _  | <u> </u> | -            | <u> </u> | <u> </u>                                     | Щ                 |
|       | 34                                     | <u> </u>                                | _        | -        | -  | -        | <u> </u>     |          | $\vdash$                                     | Н                 |
|       | 35                                     | ┢                                       | -        | $\vdash$ | <u> </u>   |          | ┝            | -        | ⊢  | Н                 |
|       | 36                                     | ┢                                       | -        | ├        | -  | ⊢        |              | -        | -  | $\vdash$          |
| -     | 37                                     | ╁                                       | $\vdash$ | $\vdash$ | <del>                                     </del> |          | ┢            | ┢        | ├  | Н                 |
|       | 38                                     | ┪                                       |          | _        | -  |          | ┢            |          |  |                   |
|       | 39                                     | <u> </u>                                |          |          |  | $\vdash$ |              |          |  |                   |
|       | 40                                     |   |          |          |  |          |              |          |  |                   |
|       | 41                                     |   |          |          |  |          |              |          |  |                   |
|       | 42                                     |   |          | _        | _  | L        |              |          |  |                   |
|       | 43                                     | <u> </u>                                | _        |          | <u> </u>   | <u> </u> | <u> </u>     | <u> </u> | <u> </u>                                     | $\mid \perp \mid$ |
|       | 44                                     | <u> </u>                                | <u> </u> | <u> </u> | <u> </u>   | <u> </u> |              | ⊢        |  | $\vdash \vdash$   |
|       | 45<br>46                               |   | -        | <u> </u> | _  | -        |              | -        | <u> </u>                                     | $\vdash$          |
|       | 47                                     |   | -        | -        | <del> </del>                                     | _        | <del> </del> | -        | <del> </del>                                 | $\vdash\vdash$    |
|       | 48                                     | $\vdash$                                | $\vdash$ | $\vdash$ | ├  | $\vdash$ | -            |          | ├  | ⊣                 |
|       | 49                                     | -                                       | $\vdash$ | $\vdash$ |  | -        | $\vdash$     | $\vdash$ | -  | $\vdash$          |
|       | 50                                     | $\vdash$                                | -        |          |  | _        | H            |          | H  | H                 |
|       | , 55                                   | Ь.                                      | Ь        | Ь        | Ь  | Ь        | ь            | Ц        | Ь  | لب                |

| Cla      | Date                       |          |          |           |          |          |          |  |              |               |
|----------|----------------------------|----------|----------|-----------|----------|----------|----------|--|--------------|---------------|
|          |                            |          |          |           |          |          |          |  |              |               |
| Final    | Original                   |          |          |           |          |          |          |  |              |               |
|          | 51                         |          |          |           |          |          |          |  |              |               |
|          | 52<br>53                   |          |          |           |          | _        |          |  |              |               |
| <b></b>  | 53                         |          |          | _         |          |          |          |  | <u> </u>     | _             |
|          | 54<br>55                   | _        | -        |           |          |          | _        |  |              |               |
| ļ        | 55<br>56                   | _        |          | _         |          |          | _        | _  | -            |               |
|          | 57                         | -        | $\vdash$ | _         |          |          | -        |  | -            | _             |
|          | 58                         |          |          |           |          |          |          | _  | _            |               |
|          | 58<br>59                   |          |          |           |          | i        |          |  |              | $\overline{}$ |
|          | 60<br>61<br>62             |          |          |           |          |          |          |  |              |               |
|          | 61                         |          | Ш        |           |          |          |          |  |              |               |
|          | 62                         |          |          |           |          |          |          |  | _            | _             |
|          | 63                         | -        | -        |           |          | _        |          | <u> </u>   | <u> </u>     |               |
|          | 64<br>65                   |          |          |           |          | _        | _        |  | H            |               |
| -        | 66                         | $\vdash$ | _        | _         |          |          | -        | —  |              |               |
|          | 66<br>67                   | <u> </u> |          |           |          |          | _        |  | $\vdash$     |               |
|          | 68                         |          |          |           |          |          |          | $\vdash$   |              |               |
|          | 69                         |          |          |           |          |          |          |  |              |               |
|          | 70<br>71                   |          |          |           |          |          |          |  |              |               |
| <u></u>  | 71                         | _        |          |           | Ш        |          |          | _  | L            |               |
| <u> </u> | 72                         | <u> </u> | $\vdash$ |           |          | _        | _        |  | L            |               |
| -        | 74                         | $\vdash$ | -        |           | _        | _        | -        |  | <del> </del> | -             |
| <u> </u> | 75                         | $\vdash$ |          | -         | $\vdash$ |          | $\vdash$ |  | <u> </u>     |               |
|          | 72<br>73<br>74<br>75<br>76 |          |          |           |          |          |          |  |              |               |
|          | 77                         |          |          |           |          |          |          |  |              |               |
|          | 78<br>79                   |          |          |           |          |          |          |  |              |               |
|          | 79                         |          | <u> </u> |           | _        |          |          | <u>.</u>   | L            | _             |
|          | 80<br>81                   | ⊢        | _        |           | _        | _        |          |  | <u> </u>     |               |
|          | 82                         | ├        |          | $\vdash$  | $\vdash$ | _        | -        |  | ├            |               |
|          | 83                         | ┢        |          | $\vdash$  |          | _        |          | _  | ┢            |               |
|          | 84                         |          |          |           | ·        |          | _        | Т  | Т            | $\vdash$      |
|          | 85                         |          |          |           |          |          |          |  |              |               |
|          | 86                         |          |          | ·         |          |          |          |  |              |               |
| <u></u>  | 87                         |          |          | <u> </u>  | L        |          |          | <u>_</u>   | _            | _             |
|          | 88<br>89                   | ├-       | <u> </u> | <u> </u>  | <u> </u> |          | _        | _  | _            | <u> </u>      |
| -        | 90                         | -        | -        | ┢─        | -        |          | -        | -  | <del> </del> | <u> </u>      |
| <b> </b> | 91                         | H        | -        | -         | $\vdash$ |          |          | $\vdash$   |              | -             |
|          | 92                         |          |          | Т         |          |          | $\vdash$ | <del>                                     </del> | ┪            | $\vdash$      |
|          | 93                         |          |          |           |          |          |          |  |              |               |
|          | 94                         |          |          |           |          |          |          |  |              |               |
|          | 95                         | _        | <u> </u> | <u> </u>  | Ŀ        |          | _        | _  | <u> </u>     | L.            |
|          | 96                         | _        | <u> </u> | <u> </u>  | <u> </u> | <u> </u> | <u> </u> | _  | <u> </u>     | <u> </u>      |
|          | 97<br>98                   | -        | ├-       | <u> -</u> | H        |          | $\vdash$ | -  | -            | <del> </del>  |
| <b>—</b> | 99                         | $\vdash$ | ┢        | -         | $\vdash$ |          | -        | $\vdash$   | $\vdash$     | <del> </del>  |
|          | 100                        | _        | $\vdash$ | Н         | $\vdash$ | _        | $\vdash$ | Ι-   | -            |               |
|          | ,                          |          |          | ч         | —        | Ь        | Ь        | L  | —            | Щ.            |

| Cli      | Date ,            |   |          |       |               |   |        |   |        |          |
|----------|-------------------|---|----------|-------|---------------|---|--------|---|--------|----------|
| 1        |                   |   | Г        |       | ΠĪ            |   | ĺΠ     |   |        |          |
| <u>a</u> | Original          |   |          |       |               |   |        |   |        |          |
| Final    | rig               |   |          |       |               |   |        |   |        |          |
| _        |                   |   |          |       |               |   |        |   |        |          |
|          | 101<br>102<br>103 | _ |          |       |               |   |        |   | -      |          |
|          | 102               | _ | -        |       |               |   | _      |   |        |          |
|          | 103               |   |          |       |               |   | _      |   | -      |          |
|          | 104               |   | $\vdash$ |       | _             | Π |        |   | _      |          |
|          | 104<br>105        |   | $\vdash$ |       | _             |   |        |   |        | $\neg$   |
|          | 106               |   |          |       | -             |   | _      |   |        |          |
|          | 107               |   | $\vdash$ |       |               |   |        |   | _      |          |
|          | 107<br>108        |   | Г        |       |               |   |        |   | $\Box$ |          |
|          | 109               |   |          |       |               |   |        |   |        |          |
| •        | 110<br>111        |   |          |       | _             |   |        |   |        |          |
|          | 111               |   | Г        |       |               |   |        |   |        |          |
|          | 112               |   |          |       |               |   |        |   |        |          |
|          | 113               |   |          | Г     |               |   |        |   | П      | $\Box$   |
|          | 113<br>114<br>115 |   | $\vdash$ |       |               |   | П      |   |        | $\dashv$ |
|          | 115               | T |          | Г     |               | Г | П      |   |        | $\sqcap$ |
|          | 116               |   |          |       |               |   | $\Box$ |   |        | $\Box$   |
|          | 116<br>117        |   |          |       |               |   |        |   |        | $\vdash$ |
|          | 118               |   | T        | Г     |               |   | П      |   |        | $\dashv$ |
|          | 119               |   |          | _     |               |   |        |   |        | $\dashv$ |
|          | 119<br>120        |   |          |       |               |   |        |   |        |          |
| •        | 121<br>122<br>123 |   | $\vdash$ | П     |               |   |        |   |        | $\neg$   |
|          | 122               |   |          | _     |               |   |        |   |        | $\neg$   |
|          | 123               |   |          |       |               |   |        |   |        |          |
|          | 124<br>125<br>126 |   |          |       | _             |   |        |   |        |          |
|          | 125               |   |          | _     |               |   |        |   |        | $\neg$   |
|          | 126               |   |          |       | $\overline{}$ |   |        |   |        |          |
|          | 127               |   |          |       |               |   |        |   |        | $\Box$   |
|          | 128               | Г |          |       |               |   |        |   |        | $\neg$   |
|          | 127<br>128<br>129 |   |          |       |               |   |        |   |        |          |
|          | 130<br>131        |   |          |       | Г             |   |        |   |        |          |
|          | 131               |   |          |       |               |   |        |   |        |          |
| -        | 132               |   |          |       |               |   |        |   |        |          |
|          | 132<br>133        |   |          |       |               |   |        |   |        | П        |
|          | 134               |   |          |       |               |   |        |   |        | П        |
|          | 135               |   |          |       |               |   |        |   |        | П        |
|          | 135<br>136        |   |          |       |               |   |        |   |        | $\Box$   |
|          | 137               |   |          |       |               |   |        |   |        |          |
|          | 138<br>139        |   |          |       | L             |   |        |   |        |          |
|          | 139               |   |          |       |               |   |        |   |        |          |
|          | 140               |   |          |       |               |   |        |   |        |          |
|          | 141               |   |          | $L^-$ |               |   |        |   |        |          |
|          | 142               |   |          |       |               |   |        |   |        |          |
|          | 143               |   |          |       |               |   |        |   |        |          |
|          | 144               |   |          |       |               |   |        |   |        |          |
|          | 145               |   |          |       |               |   |        | Ĺ |        |          |
|          | 146               |   |          |       |               |   |        |   |        |          |
|          | 147               |   |          |       |               |   |        |   |        |          |
|          | 148               |   |          |       |               |   |        |   |        |          |
|          | 149               |   |          |       |               |   |        |   |        |          |
|          | 150               |   |          |       |               |   |        |   |        |          |
|          |                   |   |          |       |               |   |        |   |        |          |